

Special Issue

Application of Modern Agricultural Equipment in Crop Cultivation

Message from the Guest Editors

The agricultural industry faces many challenges, and the answer to these challenges is sustainable agriculture, which combines the best of conventional technology with concepts of precision agriculture and digital technologies. Conventional agricultural technology has solutions that, increase soil carbon storage, and reduce CO₂ emissions. On the other hand, running a farm using precision farming technologies and digital techniques to monitor and optimize agricultural production processes allows farmers to, among other things, accurately perform sowing, fertilization, and crop protection, reduce their carbon footprint, and minimize their labor inputs. Therefore, this Special Issue aims to discuss a wide range of theoretical and experimental research works related to agricultural production processes where tangible benefits have been achieved through the implementation of modern agricultural engineering solutions, for example, a reduction in CO₂ emissions, a reduction in energy inputs, a reduction in seed, fertilizer, and pesticide use, an increase in yield, or a reduction in production costs. This Special Issue welcomes all types of articles.

Guest Editors

Prof. Dr. Jacek Przybył

Department of Biosystems Engineering, Faculty of Environmental Engineering and Mechanical Engineering, Poznan University of Life Sciences, Poznan, Poland

Dr. Dawid Wojcieszak

Department of Biosystems Engineering, Faculty of Environmental Engineering and Mechanical Engineering, Poznan University of Life Sciences, Poznan, Poland

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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